## CLAIMS

## What is claimed is:

1	1.	An apparatus comprising:	
2	a buffer to store at least a default stream coded by a multiple description (MD)		
3	coding and a restart stream coded by a predictive coding, the default and restart streams		
4	corresponding to a media content;		
5	a selector coupled to the buffer to select a transmit frame from the default and		
6	restart streams according to a transmission status, the transmit frame being transmitted		
7	to a receiver; and		
8	an analyzer coupled to the selector to provide the transmission status based on		
9	feedback information provided by the receiver.		
1	2.	The apparatus of claim 1 wherein the transmission status is one of a	
2	normal condition and a restart condition, the restart condition indicating that there is a		
3	frame loss in a description stream of the default stream and that it is time to transmit a		
4	frame from t	he description stream having the frame loss.	
1	3.	The apparatus of claim 2 wherein the selector selects the transmit frame	
2	from the rest	art stream when the transmission status is the restart condition.	
1	4.	The apparatus of claim 3 wherein the selector selects the default stream	
2	after the transmit frame is transmitted.		
1	5.	The apparatus of claim 1 wherein the default stream includes a plurality	
2	of description streams that are independently encoded.		
1	6.	The apparatus of claim 1 wherein the analyzer comprises:	
2	a dela	ay tracker to track delay characteristics of a transmission path; and	
3	a probe tracker to keep track of probing packet to be sent over a transmission		
4	path to provide path statistics.		
1	7.	The apparatus of claim 6 further comprising:	

2	an input/output (I/O) module coupled to the selector to transmit the default		
3	stream or the restart stream and the probing packets over a transmission path according		
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1	8. An apparatus comprising:		
2	an input/output (I/O) module to receive a stream having a frame from a		
3	transmitter over a transmission path, the frame being selected from one of a default		
4	stream coded by a multiple description (MD) coding and a restart stream coded by a		
5	predictive coding, the default and restart streams corresponding to a media content;		
6	a feedback generator coupled to the receiver to provide feedback information		
7	regarding transmission of the stream to the transmitter; and		
8	a decoder coupled to the receiver to decode the stream.		
1	9. The apparatus of claim 8 wherein the decoder comprises:		
2	an error concealer to conceal error caused by packet loss.		
1	10. The apparatus of claim 8 wherein the I/O module sends an		
2	acknowledgment over the transmission path when the stream is received.		
1	11. A method comprising:		
2	storing at least a default stream coded by a multiple description (MD) coding		
3	and a restart stream coded by a predictive coding in a buffer, the default and restart		
4	streams corresponding to a media content;		
5	selecting a transmit frame from the default and restart streams according to a		
6	transmission status, the transmit frame being transmitted to a receiver; and		
7	providing the transmission status by an analyzer based on feedback information		
8	provided by the receiver.		
1	12. The method of claim 11 wherein the transmission status is one of a		
2	normal condition and a restart condition, the restart condition indicating that there is a		
3	frame loss in a description stream of the default stream and it is time to transmit a		
4	frame from the description stream having the frame loss.		

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1	13. The method of claim 12 wherein selecting comprises selecting the		
2	transmit frame from the restart stream when the transmission status is the restart		
3	condition.		
1	14. The method of claim 13 wherein selecting comprises selecting the		
2	default stream after the transmit frame is transmitted.		
1	15. The method of claim 11 wherein the default stream includes a plurality		
2	of description streams that are independently encoded.		
1	16. The method of claim 11 wherein the providing comprises:		
2	tracking delay characteristics of a transmission path; and		
3	keeping track of probing packet to be sent over a transmission path to provide		
4	path statistics.		
1	17. The method of claim 16 further comprising:		
2	transmitting the default stream or the restart stream and the probing packets		
3	over a transmission path according to the delay characteristics or the path statistics.		
1	18. A method comprising:		
2	receiving a stream having a frame from a transmitter over a transmission path,		
3	the frame being selected from one of a default stream coded by a multiple description		
4	(MD) coding and a restart stream coded by a predictive coding, the default and restart		
5	streams corresponding to a media content;		
6	providing feedback information regarding transmission of the stream to the		
7	transmitter; and		
8	decoding the stream.		
1	19. The method of claim 18 wherein the decoding comprises:		
2	concealing error caused by packet loss.		
1	20. The method of claim 18 wherein receiving the stream comprises sending		
2	an acknowledgment over the transmission path when the stream is received.		

An article of manufacture comprising:

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path statistics.

2	a machine-accessible medium including data that, when accessed by a machine			
3	causes the machine to perform operations comprising:			
4	storing at least a default stream coded by a multiple description (MD) coding			
5	and a restart stream coded by a predictive coding in a buffer, the default and restart			
6	streams corresponding to a media content;			
7	selecting a transmit frame from the default and restart streams according to a			
8	transmission status, the transmit frame being transmitted to a receiver; and			
9	providing the transmission status by an analyzer based on feedback information			
10	provided by the receiver.			
1	22. The article of manufacture of claim 21 wherein the transmission status is			
2	one of a normal condition and a restart condition, the restart condition indicating that			
3	there is a frame loss in a description stream of the default stream and that it is time to			
4	transmit a frame from the description stream having the frame loss.			
1	23. The article of manufacture of claim 22 wherein the data causing the			
2	machine to perform selecting comprises data that cause the machine to perform			
3	operations comprising selecting the restart stream when the transmission status is the			
4	restart condition.			
1	24. The article of manufacture of claim 23 wherein the data causing the			
2	machine to perform selecting comprises data that cause the machine to perform			
3	operations comprising selecting the default stream after the restart stream is			
4	transmitted.			
1	25. The article of manufacture of claim 21 wherein the default stream			
2	includes a plurality of description streams that are independently encoded.			
1	26. The article of manufacture of claim 21 wherein the data causing the			
2	machine to perform providing the transmission status comprises data that cause the			
3	machine to perform operations comprising:			
4	tracking delay characteristics of a transmission path; and			

keeping track of probing packet to be sent over a transmission path to provide

1	27. The article of manufacture of claim 26 wherein the data causing the		
2	machine to perform providing the transmission status further comprises data that cause		
3	the machine to perform operations comprising:		
4	transmitting the default stream or the restart stream and the probing packets		
5	over a transmission path according to the delay characteristics or the path statistics.		
1	28. An article of manufacture comprising:		
2	·		
3	causes the machine to perform operations comprising:		
4	receiving a stream having a frame from a transmitter over a transmission path,		
5	the frame being selected from one of a default stream coded by a multiple description		
6	(MD) coding and a restart stream coded by a predictive coding, the default and restart		
7	streams corresponding to a media content;		
8	providing feedback information regarding transmission of the stream to the		
9	transmitter; and		
10	decoding the stream.		
1	29. The article of manufacture of claim 28 wherein the data causing the		
2	machine to perform decoding comprises data that cause the machine to perform		
3	operations comprising:		
4	concealing error caused by packet loss.		
1	30. The article of manufacture of claim 28 wherein the data causing the		
2	machine to perform receiving the stream comprises data that cause the machine to		
3	perform operations comprising sending an acknowledgment over the transmission path		
4	when the stream is received.		
1	31. An apparatus comprising:		
2	means for storing at least a default stream coded by a multiple description (MD)		
3	coding and a restart stream coded by a predictive coding, the default and restart streams		
4	corresponding to a media content;		
5	means for selecting a transmit frame from the default and restart streams		
6	according to a transmission status, the transmit frame being transmitted to a receiver;		
7	and		

8	means for providing the transmission status based on feedback information		
9	provided by the receiver.		
1	32.	The apparatus of claim 31 wherein the transmission status is one of a	
2	normal condition and a restart condition, the restart condition indicating that there is a		
3	frame loss in a description stream of the default stream and that it is time to transmit a		
4	frame from the description stream having the frame loss.		
1	33.	The apparatus of claim 32 wherein the means for selecting selects the	
2	transmit frame from the restart stream when the transmission status is the restart		
3	condition.		
1	34.	The apparatus of claim 33 wherein the means for selecting selects the	
2	default strear	n after the transmit frame is transmitted.	
1	35.	An apparatus comprising:	
2	mean	s for receiving a stream having a frame from a transmitter over a	
3	transmission path, the frame being selected from one of a default stream coded by a		
4	multiple description (MD) coding and a restart stream coded by a predictive coding, the		
5	default and restart streams corresponding to a media content;		
6	mean	means for providing feedback information regarding transmission of the stream	
7	to the transmitter; and		
8	means for decoding the stream.		
1	36.	The apparatus of claim 35 wherein the means for decoding comprises:	
2	means	s for concealing error caused by packet loss.	